

Amendment to the Specification

Approved
a/s/04
(m2)

Please replace the paragraph beginning at page 10, line 11, which starts with "The following is a description of the embodiments" with the following amended paragraph:

a1 The following is a description of the embodiments of the present invention, with reference to the drawings.

First Embodiment

Please replace the paragraph beginning at page 13, line 9, which starts with "The user performs a predetermined operation" with the following amended paragraph:

a2 The user performs a predetermined operation using one or more operating switches of the operating switch unit 1 of the portable transmitter 10, e.g., first operating the trunk opening switch 1₃, and within 100 milliseconds of this operation presses both the trunk opening switch 1₃ and the door lock switch 1₁ for 1 second or more, whereby the mode control unit 2₃ detects that this predetermined operation has been made, and sets the control unit 2 in the ID registration mode. Once the control unit 2 is set in the ID registration mode, the counter 2₆ is reset, the first count of clock signals supplied from the clock signal generating unit 2₅ is started at the counter 2₆, and a first pulse signal is supplied to one LED of the display unit 5, e.g., the red LED, ~~from~~ from the mode control unit 2₃[[,]] e.g., the red LED. The red LED is lit multiple times for 200 milliseconds at 500 millisecond intervals due to the first pulse signals being supplied, thereby notifying the user that the portable transmitter 10 has been set in the ID registration mode. Incidentally, the intermittent lighting of the red LED continues as along long as the portable transmitter 10 is set in the ID registration mode.

Please replace the paragraph beginning at page 14, line 5, which starts with "Next, the user operates the latter-operated switch" with the following amended paragraph:

a3 Next, the user operates the latter-operated switch of the operating switch unit 1 of the portable transmitter 10, the door lock switch 1₁, for example, for 100 milliseconds or longer[[,]] ~~following which the operation is stopped[[,]]~~ and then stops the operation, which causes a second pulse signal to be supplied to another LED of the display unit 5 from the ID code generating unit 2₄, e.g., the green LED, and the green LED is lit for 500 milliseconds only one time. Then, at the

a³
point that the lighting of the green LED is finished, the first count value of the clock signal is ~~determined~~ determined at the counter 2₆, the ~~determined~~ determined count value is supplied to the ID code storing unit 4₁ of the EEPROM 4 through the ID code generating unit 2₄, and is stored as the first ID code section. At this time, the counter 2₆ is reset, subsequently starts the second count of clock signals being supplied, and the first pulse signals are supplied multiple times from the ID code generating unit 2₄ to the red LED as in the case above, so that the red LED is lit intermittently.

✓
Please replace the paragraph beginning at page 14, line 23, which starts with "Next, the user operates the door lock switch" with the following amended paragraph:

a⁴
Next, the user operates the door lock switch 1₁ again for 100 milliseconds or more, and then stops the operation, which causes the second pulse signal to be supplied from the ID code generating unit 2₄ to the green LED again, and the green LED is lit for 500 milliseconds only one time. Then, at the point that the lighting of the green LED is finished this time, the second count value of the clock signal is ~~determined~~ determined at the counter 2₆, the ~~determined~~ determined count value is supplied to the ID code storing unit 4₁ through the ID code generating unit 2₄, and is stored as the second ID code section. At this time also, the counter 2₆ is reset, subsequently starts the third count of clock signals being supplied, and the red LED is lit intermittently.

✓
Please replace the paragraph beginning at page 15, line 11, which starts with "Next, the user operates the door lock switch" with the following amended paragraph:

a⁵
Next, the user operates the door lock switch 1₁ for the third time for 100 milliseconds or more, and then stops the operation, which causes the second pulse signal to be supplied from the ID code generating unit 2₄ to the green LED, and the green LED is lit for 1 second only one time, which is a longer time than the previous two times. Then, at the point that the lighting of the green LED is finished this time, the third count value of the clock signal is ~~determined~~ determined at the counter 2₆, the ~~determined~~ determined count value is supplied to the ID code storing unit 4₁ through the ID code generating unit 2₄, and is stored as the third ID code section.

Please replace the paragraph beginning at page 17, line 14, which starts with "Then, as shown in FIG. 3" with the following amended paragraph:

al Then, as shown in Fig. 3, at the point that the third count value is ~~determined~~ determined and the third lighting of the green LED ends, and registration of the ID code is performed to the ID code storing unit 4₁, the control unit 2 reverts from the ID registration mode to the normal mode even in the event that 10 seconds have not elapsed since being set to the ID registration mode.

Please replace the paragraph beginning at page 18, line 8, which starts with "Next, the user operates the latter-operated switch" with the following amended paragraph:

a7 Next, the user operates the latter-operated switch of the operating switch unit 1 of the portable transmitter 10, the door lock switch 1₁, for example, for 100 milliseconds or longer, ~~following which the operation of the door lock switch 1₁ is stopped~~[[,]] and then stops the operation of the door lock switch 1₁, which causes a second pulse signal to be supplied to the green LED of the display unit 5 from the ID code generating unit 2₄, and the green LED is lit for 500 milliseconds. Then, at the point that the lighting of the green LED is finished, the first count value of the clock signal is ~~determined~~ determined at the counter 2₆, the ~~determined~~ determined count value is supplied to the ID code storing unit 4₁ through the ID code generating unit 2₄, and is stored as the first ID code section in the ID code storing unit 4₁. At this time, the counter 2₆ is reset, subsequently starts the second count of clock signals being supplied, and the first pulse signals are supplied multiple times from the ID code generating unit 2₄ to the red LED as in the case above, so that the red LED is lit intermittently.

Please replace the paragraph beginning at page 19, line 1, which starts with "Subsequently, in the event that the user does not operate" with the following amended paragraph:

a8 Subsequently, in the event that the user does not operate the latter-operated switch of the operating switch unit 1 of the portable transmitter 10, the door lock switch 1₁ for example, and 10 seconds elapse since the control unit 2 has been set to the ID registration mode, the control unit 2 automatically reverts from the ID registration mode to the normal mode. At this time, only the first count value of the clock signal is ~~determined~~ determined, and the second and

third count values are not ~~determined~~ determined, so the ID code generating unit 2₄ discards the first ID code section (first count value) stored in the ID code storing unit 4₁, and there is no registration of ID code made to the ID code storing unit 4₁.

Please replace the paragraph beginning at page 19, line 14, which starts with "Another state wherein the ID code" with the following amended paragraph:

Another state ~~wherein~~ that the ID code is not registered to the ID code storing unit 4₁ is a case wherein the first and second count values are each ~~determined~~ determined, ~~following which~~ and subsequently, the control unit 2 automatically reverts from the ID registration mode to the normal mode.

Please replace the paragraph beginning at page 21, line 2, which starts with "Next, the series of actions of the user operating" with the following amended paragraph:

Next, the series of actions of the user operating the latter-operated switch of the operating switch unit 1 of the portable transmitter 10 and the subsequent ending of operation of the switch leading up to the ~~determinating~~ determining of the first count value of the clock signal at the counter 2₆, is also the same as the series of actions already described with reference to Fig. 3.

Please replace the paragraph beginning at page 21, line 9, which starts with "Then, at the point that the first count value" with the following amended paragraph:

Then, at the point that the first count value is ~~determined~~ determined, the ~~determined~~ determined count value is supplied to the RAM 7 through the ID code generating unit 2₄, and is stored in the first storing area of the RAM 7 as the first ID code section. Subsequently, the counter 2₆ is reset, then starts the second count of clock signals being supplied, and the first pulse signals are supplied multiple times from the ID code generating unit 2₄ to the red LED as in the case above, so that the red LED is lit intermittently.

Please replace the paragraph beginning at page 21, line 18, which starts with "Next, the series of actions of the user operating the latter-operated switch" with the following amended paragraph:

Next, the series of actions of the user operating the latter-operated switch of the operating switch unit 1 of the portable transmitter 10 for the second time, and the subsequent ending of

a12 operation of the switch leading up to the ~~determinating~~ determination of the second count value of the clock signal at the counter 2₆, is also the same as the series of actions already described with reference to Fig. 3.

Please replace the paragraph beginning at page 21, line 25, which starts with "Then, at the point that the second count value" with the following amended paragraph:

a13 Then, at the point that the second count value is ~~determined~~ determined, the count value is supplied to the RAM 7 through the ID code generating unit 2₄, and is stored in the second storing area of the RAM 7 as the second ID code section. Subsequently, the counter 2₆ is reset, then starts the third count of clock signals being supplied, and the first pulse signals are supplied multiple times from the ID code generating unit 2₄ to the red LED as in the case above, so that the red LED is lit intermittently.

Please replace the paragraph beginning at page 22, line 9, which starts with "Next, the series of actions of the user operating the latter-operated switch" with the following amended paragraph:

a14 Next, the series of actions of the user operating the latter-operated switch of the operating switch unit 1 of the portable transmitter 10 for the third time, and the subsequent ending of operation of the switch leading up to the ~~determinating~~ determination of the third count value of the clock signal at the counter 2₆, is also the same as the series of actions already described with reference to Fig. 3.

Please replace the paragraph beginning at page 22, line 18, which starts with "Then, at the point that the third count value of the clock signal" with the following amended paragraph:

a15 Then, at the point that the third count value of the clock signal is ~~determined~~ determined, the count value is supplied to the RAM 7 through the ID code generating unit 2₄, and is stored in the third storing area of the RAM 7 as the third ID code section.

Please replace the paragraph beginning at page 23, line 17, which starts with "Conversely, a third embodiment which has the same configuration" with the following amended paragraph:

a16 Conversely, a third embodiment which has the same configuration as that of the second embodiment shown in Fig. 5 registers ID codes by the operation shown in Fig. 7. That is to say,

only first and second storing areas are provided in the RAM 7, and the first and second ID code sections are respectively stored in the first and second storing areas in sequence[[]], ~~following which,~~ Then, at the point that the third count value is ~~determined~~ determined by the ID code generating unit 2₄, and the third ID code section is thus obtained, this third ID code section is not stored in the RAM 7 but rather held in the ID code generating unit 2₄[[]] ~~and at the point that~~ When the first ID code section and second ID code section are read out from the RAM 7, the third ID code section is joined to the ~~read~~ first ID code section and second ID code section that are read out from RAM 7 so as to form an ID code, and this ID code is stored and registered to the ID code storing unit 4₁.

Please replace the paragraph beginning at page 24, line 8, which starts with "In this case, in the event that the number of ID code" with the following amended paragraph:

In this case, in the event that the number of ID code sections making up the ID code is 4 or more, the ID code sections excluding the last ID code section are sequentially stored in the RAM 7, and at the point that the last ID code is obtained, this last ID code is not stored in the RAM 7 but rather held in the ID code generating unit 2₄[[]] ~~and at the point that~~ When the ID code sections excluding the last ID code section are read out from the RAM 7, the last ID code section is joined to the ~~read~~ ID code sections that are read out from the RAM 7 so as to form an ID code, and this ID code is stored and registered to the ID code storing unit 4₁.

Please replace the paragraph beginning at page 25, line 21, which starts with "Now, though the arrangement of the operating procedures" with the following amended paragraph:

Now, though the arrangement of the operating procedures for setting the first control unit 2 of the portable transmitter 10 and 10' to the ID registration mode according to the first through third embodiments involve a switch of the operating switch unit 1 being operated while another switch is being operated, the operating procedures for setting the first control unit 2 of the portable transmitter 10 and 10' to the ID registration mode according to the present invention are not restricted to such procedures. [[]] ~~rather,~~ Rather, an arrangement may be made wherein two or more switches are operated in a predetermined order, e.g., the door lock switch 1₁ being operated first and then the trunk opening/closing switch 1₃ being operated, ~~following which and then~~ the door unlock switch 1₂ is operated, or, an arrangement may be made wherein operating of

Q18
a specified one switch is repeatedly executed for a predetermined amount of time or longer, e.g., the door unlock switch 1₂ being operated for one second ~~following which~~ and then the door unlock switch 1₂ is operated for one second with a one second interval therebetween.

Please replace the paragraph beginning at page 26, line 16, which starts with "Also, according to the first through third embodiments" with the following amended paragraph:

Q19
Also, according to the first through third embodiments, the door lock switch 1₁ used for setting the ID registration mode is also used for ~~determinating~~ determining the count value, but there is no particular need to use the same switch for these switches. ~~Which switch is to be used for the determining of the three count values can be decided arbitrarily, and there is no difference distinguished according to which switch is operated.~~ It can be arbitrary to decide which switch is to be used for determining the three count values and there is no distinguishable difference according to selection of the switch to be operated. In this case, arranging such that the count value is ~~determinated~~ determined by randomly selecting and operating the switches at the time of ~~determinating~~ determining the three count values does away with the need for requesting the user to take great care.

Please replace the paragraph beginning at page 28, line 2, which starts with "Next. Fig. 8 is an explanatory diagram" with the following amended paragraph:

Q20
Next, Fig. 8 is an explanatory diagram illustrating an example of the operating procedures for writing the reference code to the reference code storing unit 10₄ 13₁ of the receiver 20 using the portable transmitter 10 or portable transmitter 10'.

Please replace the paragraph beginning at page 29, line 15, which starts with "Next, the same operation is performed in the third action cycle" with the following amended paragraph:

Q21
Next, the same operation is performed in the third action cycle and the fourth action cycle. In this case, in the fourth action cycle, the action form is the same as that of the first through third action cycles up to the extracting of the ID code "d" within the transmitting code with the signal processing unit 9₄ 12₁ within the time T1 from the starting of supplying the key pulses, but the operating mode of the control unit 12 including the signal processing unit 12₁ is converted from the normal action mode to the reference code writing mode at the point that the

a21 time T4 has elapsed from stopping the supplying of the ID code "d", and subsequently writing of the reference code can be performed.

Please replace the paragraph beginning at page 31, line 20, which starts with "Next, description will be made regarding the operation" with the following amended paragraph:

a22 Next, description will be made regarding the operation (normal operation) carried out between the portable transmitter 10 and the receiver 20 in the event that an ID code is registered in the ID code storing unit 4₁ of the portable transmitter 10 (or portable transmitter 10') and a reference code corresponding to the ID code is registered in the reference code storing unit 40₁ 13₁ of the receiver 20.
